

# SpECcell Fibre 35

BITUMEN IMPREGNATED FIBRE BOARD JOINT FILLER

## DESCRIPTION

**SpECcell Fibre 35** is a high bitumen content fibre board made from highly resilient selected plant fibres. **SpECcell Fibre 35** is a compressible, non-extruding, bitumen impregnated fibreboard expansion joint filler suitable for forming expansion joints in structures such as insitu concrete, brick and blockwork, and is a tough, durable material when used as a protection course for membrane waterproofing.

## TYPICAL USES

**SpECcell Fibre 35** may be used in the following applications where a high bitumen content filler is required:

- Joints in trafficked surfaces, bridges, roads, runways and pedestrian areas
- As a temporary filler in expansion joints
- Joints in concrete roofs, external walls, cladding and floors
- As a filler in structural separation joints between buildings, in brickwork, concrete and block construction
- As a separator strip in slab pavement construction

## ADVANTAGES

**SpECcell Fibre 35** completely fills the joints under repeated cycles of expansion and contraction and will not support dry or wet rot, fungus attack or similar forms of deteriorating agents.

## RELEVANT STANDARDS

**SpECcell Fibre 35** complies with the requirements of ASTM D1751 and D994 for the properties shown in the technical data below.

## TECHNICAL DATA

<b>Form</b>	Compressible sheet
<b>Density</b> <b>(ASTM D1751, air dry)*</b>	304kg/m <sup>3</sup>

## Recovery after 50%

**Compression** 81.4%

## Extrusion after 50%

**Compression** 1.21mm

## Compressive Strength @ 50%

**Compression** 4780 KPa

## Bitumen content

**(ASTM D1751)\*** 35 +/- 5

**Brittleness (ASTM D994)\*\*** No sign of crack or shatter

**Distortion (ASTM D994)\*\*** 1.5mm

**Service temperature range** -10 to +75 oC

**\*ASTM D1751** relates to bitumen impregnated fibreboards.

**\*\*ASTM D994** relates to asphaltic filler boards encased between asphalt saturated glass fibre felt layers.

## APPLICATION

**SpECcell Fibre 35** is a compressible joint filler in sheet form, used to form and fill expansion, isolation and control joints.

### In Concrete

**SpECcell Fibre 35** can be placed against formwork on the concreting side prior to placing the first section of concrete and is left in place on removal of the formwork. The subsequent pour is then cast directly against the **SpECcell Fibre 35**. The fibreboard is then cut back later to form the sealing slot.

### In brick and blockwork

**SpECcell Fibre 35** should be installed, whilst laying brick or blockwork, in such a way that a sealing slot, of the dimensions required, is formed.

### Protection Course

**SpECcell Fibre 35** should be installed to provide a continuous protection layer over the waterproof membrane. **SpECcell Fibre 35** may be bonded to

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the membrane using a rubberised bitumen mastic or other suitable adhesives.

#### **PACKAGING & SIZES**

**SpECcell Fibre 35** is available in the following sizes:

Thickness 10, 12.5, 19 & 25mm

Board size 1220mm x 2200mm

#### **STORAGE & SHELF LIFE**

**SpECcell Fibre 35** has a shelf life of 2 years if stored in cool, dry conditions.

#### **HEALTH & SAFETY**

There are no health hazards associated with the normal use of **SpECcell Fibre 35**.

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